

IN THE CLAIMS:

1-8. (Canceled)

9. (Currently Amended) A The-lighting device of Claim 1, wherein-including a plurality of LED modules, each LED module in the plurality of LED modules comprising:

a main substrate;

an LED mounting unit composed of one or more LED bare chips mounted on a

5 main surface of the main substrate;

a power supply terminal provided on the main surface of the main substrate, and operable to receive power from an electric power source;

a luminous intensity stabilization circuit connected electrically to the power supply terminal and the LED mounting unit; and

10 the LED module further includes a thermal element unit provided in a vicinity of the light-emitting diode bare chip and connected to the luminous intensity stabilization circuit, and including a thermal element and a first comparator provided in a vicinity of an area in which the one or more LED bare chips are mounted,

wherein when at least one of the LED bare chips in any one of the LED modules
15 rises in temperature to a predetermined temperature or higher, the luminous intensity stabilization circuit reduces or stops current supply to the one LED module independently from any other LED modules in the plurality of LED modules, according to a judgment signal from the first comparator based on detected temperature information from the thermal element. light
emitting diode bare chip when the light-emitting diode bare chip rises in temperature to a
20 predetermined temperature or higher.

10. (Currently Amended) The lighting device of Claim ~~[[3]]~~ 9, ~~wherein further~~
including:

~~the LED module further includes an abnormality detection unit that is provided in~~
~~a vicinity of the light emitting diode bare chip and that detects an abnormality in the light~~
5 ~~emitting diode bare chip, and~~

one constant voltage circuit supplying a constant voltage to each LED module,
using power from a power supply source; and

one logical circuit electrically connected to the constant voltage circuit and the
thermal element unit of each LED module,

10 wherein, when at least one LED bare chip in at least one LED module rises in
temperature to a predetermined temperature or higher, the constant voltage circuit includes a
control unit that reduces or stops provision of supplies to all the LED modules, power to the
power supply terminal such that the luminous intensity stabilization circuit reduces or stops
current supplied to the LED module mounting unit, based on instruction information output from
15 the logical circuit that is received, from the thermal element unit of the at least one LED module,
a judgment signal of the first comparator based on detected temperature information of the
thermal element of the at least one LED module. ~~when the abnormality detection unit detects an~~
~~abnormality in the light emitting diode bare chip.~~

11-13. (Canceled)

14. (New) The lighting device of Claim 9, wherein each of the LED modules is
individually detachable.

15. (New) The lighting device of Claim 9, wherein the luminous intensity stabilization circuit is a constant current circuit.

16. (New) The lighting device of Claim 10, wherein the luminous intensity stabilization circuit is a constant current circuit and each of the LED modules is individually detachable.

17. (New) The lighting device of Claim 9 further comprising:

a constant voltage circuit supplying a constant voltage to each LED module, using power from a power supply source; and

a current detection unit including a second comparator connected to the one or
5 more LED bare chips to detect a current amount;

a logical circuit electrically connected to the constant voltage circuit and the current detection unit,

wherein when the current amount in at least one LED bare chip in at least one LED module rises above a predetermined current amount, the constant voltage circuit supplies to
10 all the LED modules, power to the power supply terminal such that the luminous intensity stabilization circuit reduces or stops current supplied to the LED mounting unit, based on instruction information output from the logical circuit that received, from the current detection unit of the at least one LED module, a judgment signal of the second comparator based on the detected current amount of the at least one LED module.

18. (New) The lighting device of Claim 17, wherein the luminous intensity stabilization circuit is a constant current circuit and each of the LED modules is individually detachable.

19. (New) A lighting device including a plurality of LED modules, each LED module in the plurality of LED modules comprising:

a main substrate;

an LED mounting unit composed of one or more LED bare chips mounted on a

5 main surface of the main substrate;

a power supply terminal provided on the main surface of the main substrate, and operable to receive power from an electric power source;

a constant current circuit connected electrically to the power supply terminal and the LED mounting unit;

10 a constant voltage circuit supplying a constant voltage to each LED module, using power from a power supply source; and

a current detection unit including a comparator connected to the one or more LED bare chips to detect a current amount;

15 a logical circuit electrically connected to the constant voltage circuit and the plurality of current detection unit,

wherein when the current amount in at least one LED bare chip in at least one LED module rises above a predetermined current amount, the constant voltage circuit supplies to all the LED modules, power to the power supply terminal such that the luminous intensity stabilization circuit reduces or stops current supplied to the LED mounting unit, based on
20 instruction information output from the logical circuit that received, from the current detection unit of the at least one LED module, a judgment signal of the comparator based on the detected current amount of the at least one LED module.

20. (New) The lighting device of Claim 19, wherein each of the LED modules is individually detachable.

21. (New) A lighting device including a plurality of LED modules, each LED module in the plurality of LED modules comprising:

a main substrate;

an LED mounting unit composed of one or more LED bare chips mounted on a
5 main surface of the main substrate;

a power supply terminal provided on the main surface of the main substrate, and operable to receive power from an electric power source;

a constant current circuit connected electrically to the power supply terminal and the LED mounting unit;

10 a thermal element unit connected to the constant current circuit, and including a thermal element and a first comparator provided in a vicinity of an area in which the one or more LED bare chips are mounted;

a current detection unit including a second comparator connected to the one or more LED bare chips to detect a current amount;

15 a constant voltage circuit supplying a constant voltage to each LED module, using power from a power supply source;

a first logical circuit electrically connected to the constant voltage circuit and the thermal element unit of each LED module,

wherein, when at least one LED bare chip in at least one LED module rises in
20 temperature to a predetermined temperature or higher, the constant voltage circuit supplies to all the LED modules, power to the power supply terminal such that the constant current circuit

reduces or stops current supplied to the LED mounting unit, based on instruction information output from the first logical circuit that is received, from the thermal element unit of the at least one LED module, a judgment signal of the first comparator based on detected temperature
25 information of the thermal element of the at least one LED module; and

a second logical circuit electrically connected to the constant voltage circuit and the current detection unit,

wherein when the current amount in at least one LED bare chip in at least one LED module rises above a predetermined current amount, the constant voltage circuit supplies to
30 all the LED modules, power to the power supply terminal such that the constant current circuit reduces or stops current supplied to the LED mounting unit, based on instruction information output from the second logical circuit that received, from the current detection unit of the at least one LED module, a judgment signal of the second comparator based on the detected current amount of the at least one LED module.

22. (New) The lighting device of Claim 21, wherein each of the LED modules is individually detachable.